

HPLC protocols for carotenoids produced in *E. coli*

Modified Tokyo

from J.A. Maresca, J.E. Graham, M. Wu, J. Eisen, and D.A. Bryant. (2007) Identification of a new family of lycopene cyclases in photosynthetic bacteria. *Proceedings of the National Academy of Sciences*, 104: 11784-11789.

Solvent A

	%
Water	62.5
Methanol	21
Acetonitrile	16.5
+ 10 mM ammonium acetate	

Solvent B

	%
Methanol	50
Ethyl acetate	30
Acetonitrile	20

Gradient

Time (min)	% B	Flow rate (ml min ⁻¹)
0	70	1.00
5	90	1.00
15	100	1.00
25	100	1.00

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from Barua and Olson, 1998. J. Chromatog. B 707: 69-79

Solvent A

	%
Water	25
Methanol	75
+ 10 mM ammonium acetate	

Solvent B

	%
Methanol	80
Dichloromethane	20

Gradient

Time (min)	% B	Flow rate (ml min ⁻¹)
0	0	0.8
20	100	0.8
40	100	0.8
45	0	0.8